

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 19 JAN 2005

International Application No.
PCT/EP 03/08315

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N1/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | JIAN PENG ET AL: "EFFECT OF IONIC STRENGTH ON HENRY'S CONSTANTS OF VOLATILE ORGANIC COMPOUNDS" CHEMOSPHERE, PERGAMON PRESS, OXFORD, GB, vol. 36, no. 13, June 1998 (1998-06), pages 2731-2740, XP001164275 ISSN: 0045-6535 abstract | 1-5, 21-25 |
| X | BANAT F A ET AL: "EXPERIMENTAL STUDY OF THE SALT EFFECT IN VAPOR/LIQUID EQUILIBRIA USING HEADSPACE GAS CHROMATOGRAPHY" CHEMICAL ENGINEERING AND TECHNOLOGY, WEINHEIM, DE, vol. 22, no. 9, 1999, pages 761-765, XP008024297 ISSN: 0930-7516 abstract | 1-5, 21-25 |

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

30 December 2003

Date of mailing of the international search report

14/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Zinngrebe, U

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/EP 03/08315

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X | PATENT ABSTRACTS OF JAPAN vol. 016, no. 562 (P-1456), 3 December 1992 (1992-12-03) & JP 04 215062 A (SHIMADZU CORP), 5 August 1992 (1992-08-05) abstract | 1-5, 21-25 |
| X | COMBERBACH D M ET AL: "AUTOMATIC ON-LINE FERMENTATION HEADSPACE GAS ANALYSIS USING A COMPUTER-CONTROLLED GAS CHROMATOGRAPH" BIOTECHNOLOGY AND BIOENGINEERING. INCLUDING: SYMPOSIUM BIOTECHNOLOGY IN ENERGY PRODUCTION AND CONSERVATION, JOHN WILEY & SONS. NEW YORK, US, vol. 25, no. 11, 1983, pages 2503-2518, XP001160855 ISSN: 0006-3592 page 2512; figure 8 | 1-5, 21-25 |
| A | KOLB B ET AL: "ANALYSIS OF WATER IN LIQUID AND SOLID SAMPLES BY HEADSPACE GAS CHROMATOGRAPHY PART II: INSOLUBLE SOLD SAMPLES BY THE SUSPENSION APPROACH" FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY, SPRINGER, BERLIN, DE, vol. 336, no. 4, 1990, pages 297-302, XP008024298 ISSN: 0937-0633 page 301; table 1 | 6,9 |

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08315

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|-------------------------------------------|---|---------------------|----|----------------------------|---------------------|
| JP 04215062 | A | 05-08-1992 | JP | 2897431 B2 | 31-05-1999 |

BEST AVAILABLE COPY